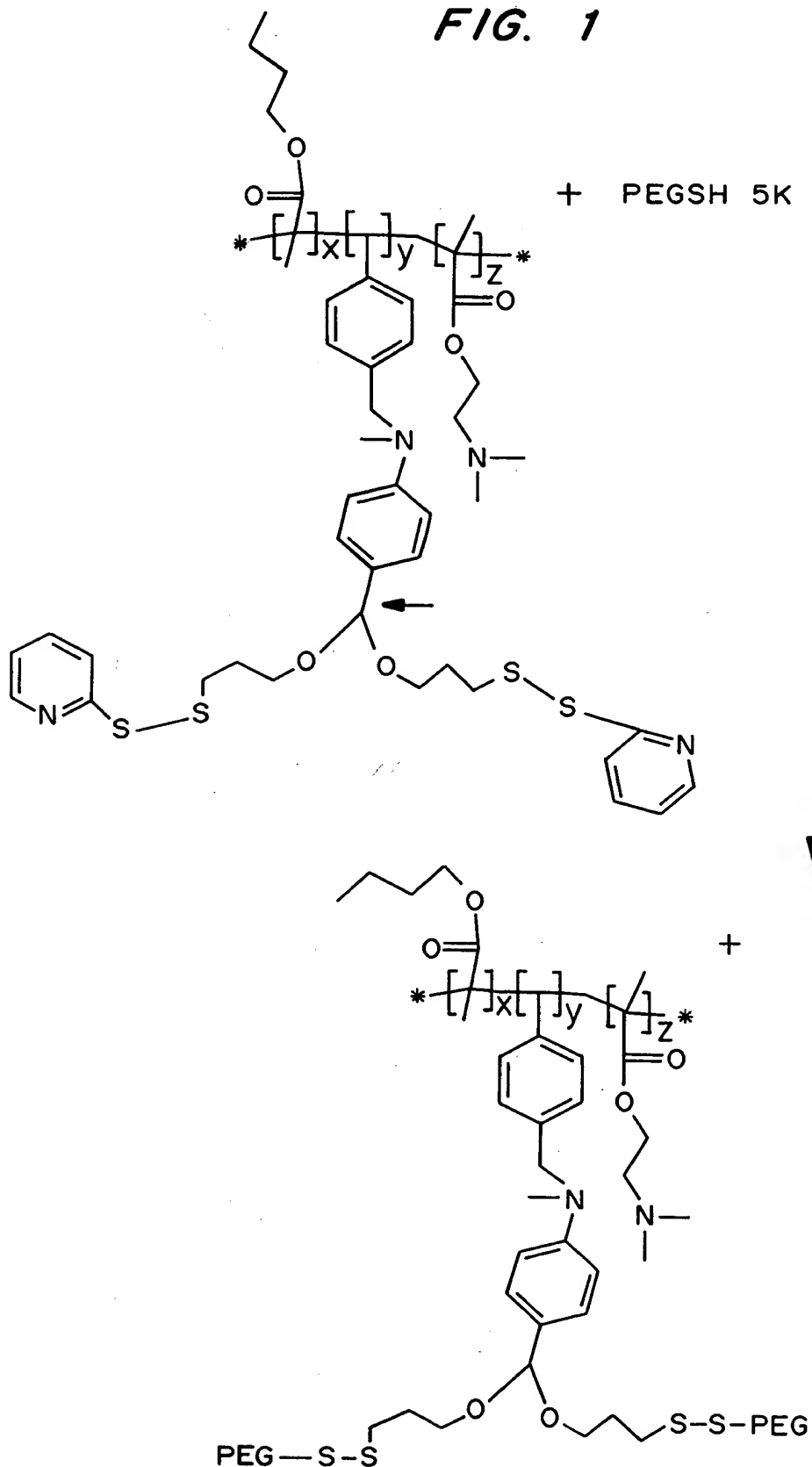
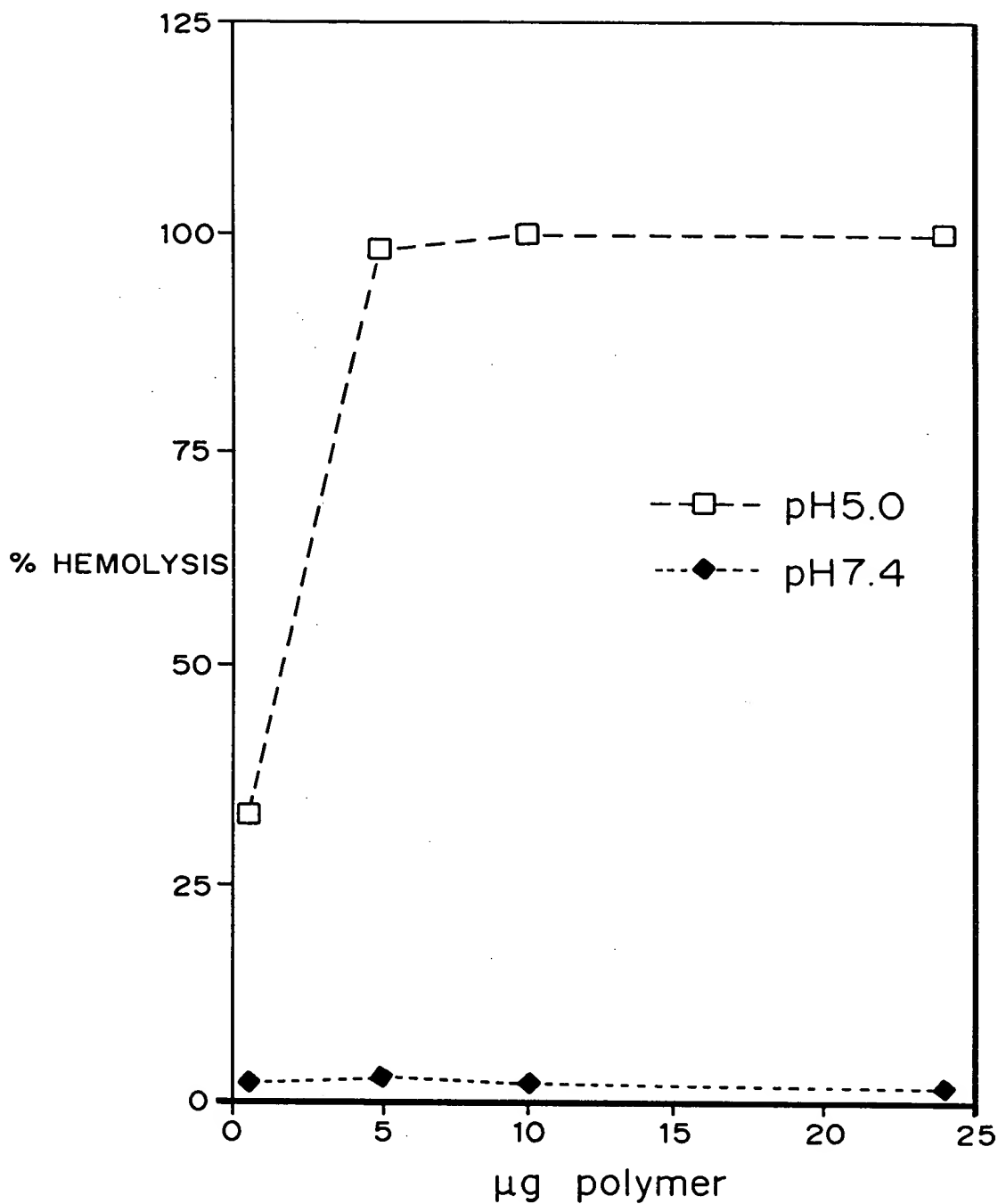


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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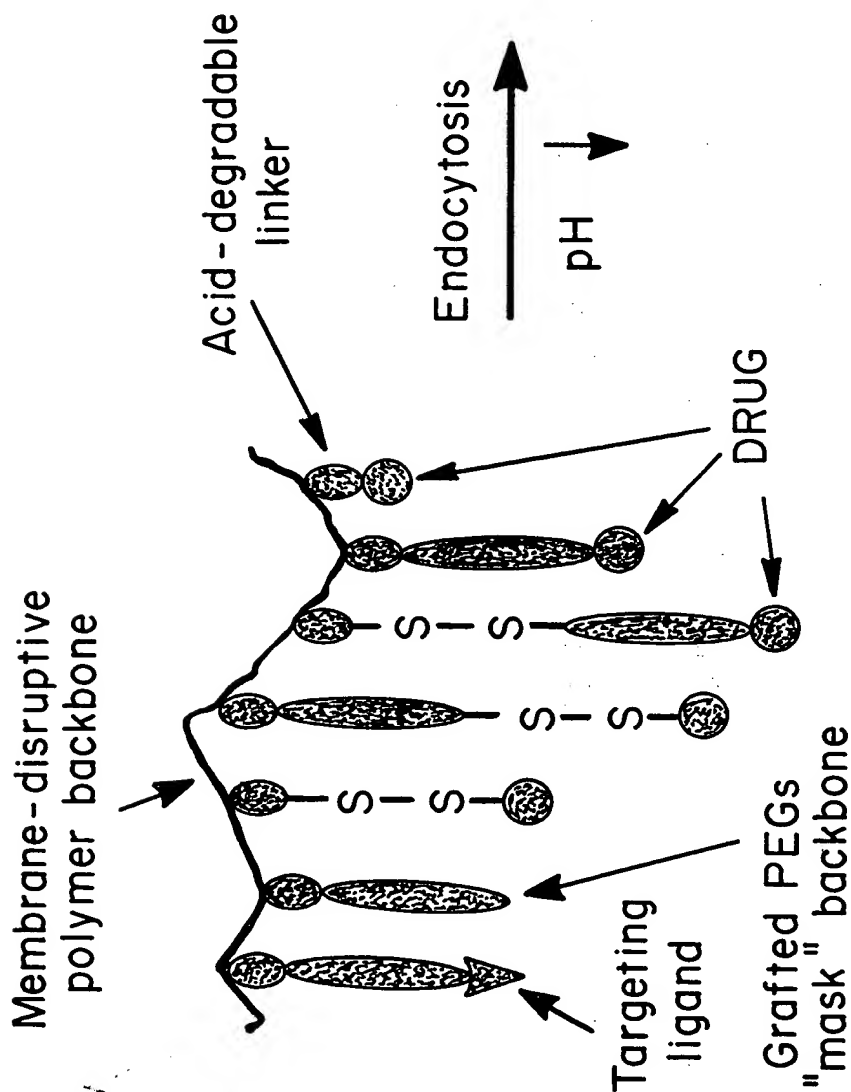
Experimental Conditions

- (1) 2% RBCs in 1ml PBS buffer
- (2) Incubation temperature 37C
- (3) Incubation time 20 minutes
- (4) Experiments done in triplicate STD < 2%

FIG. 2

APPROVED	O.G. FIG.	
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FIG. 3



"Unmasked" backbone disrupts endosomal membrane

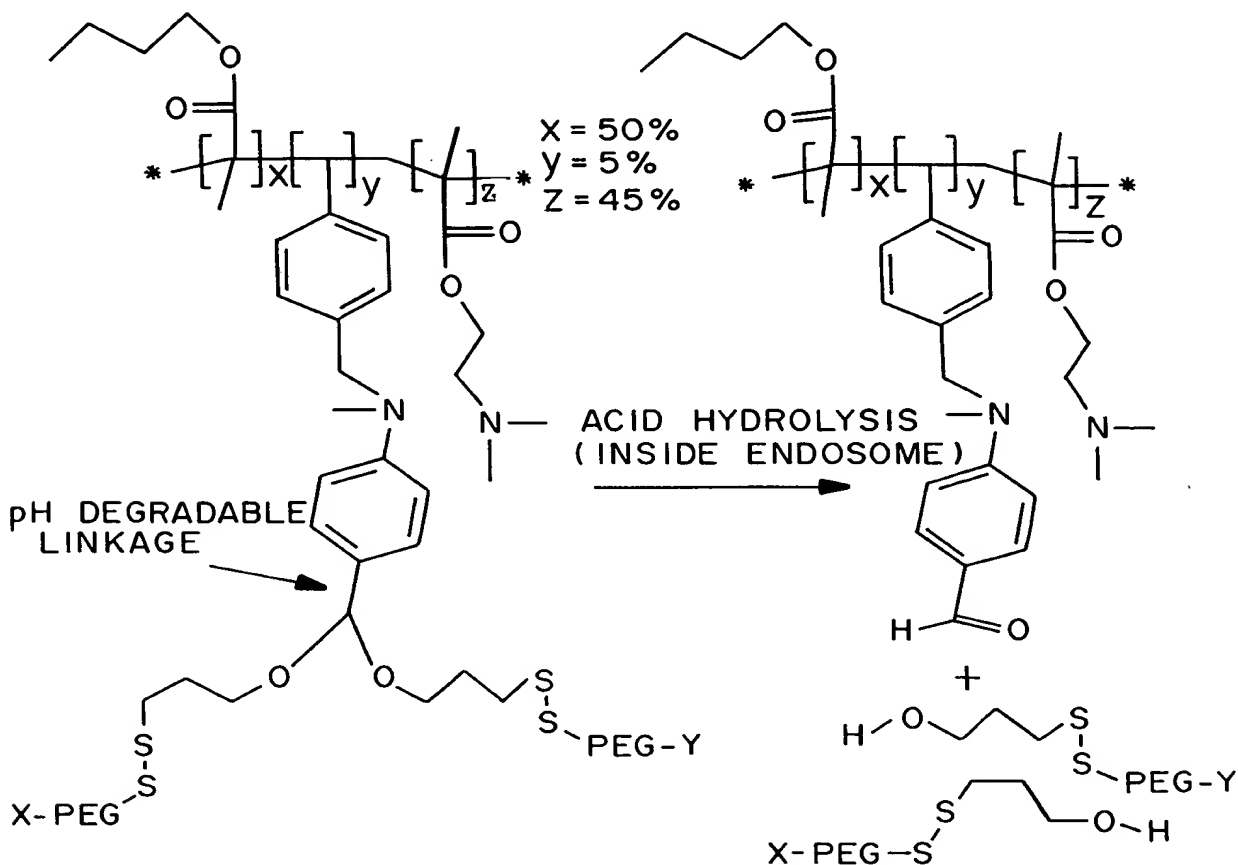
Disrupted endosome

Free DRUG or PEG-DRUG delivered into cytoplasm

APPROVED	O.G. FIG.
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SERUM STABLE
NONTOXIC FORM

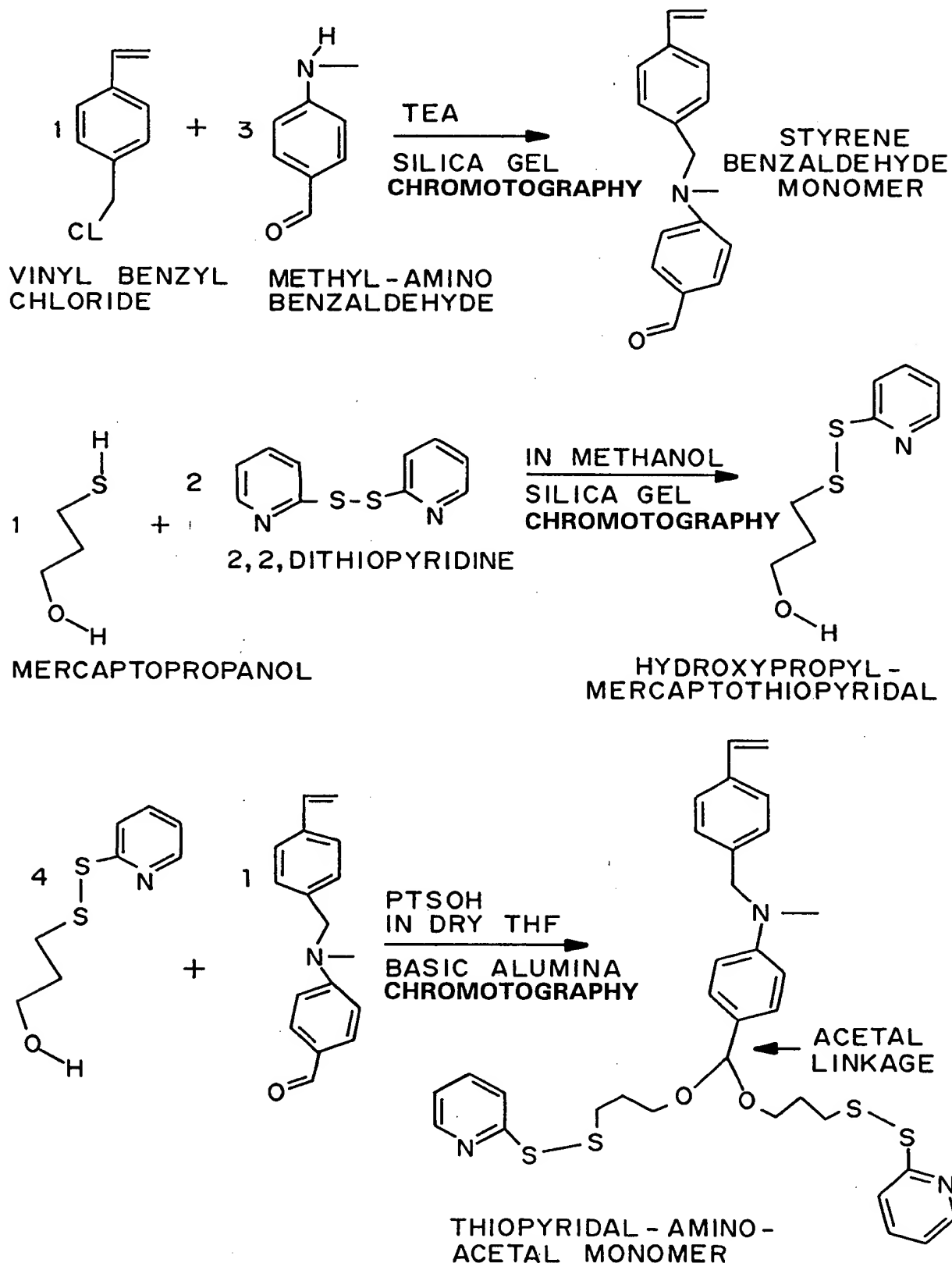
MEMBRANE DISRUPTIVE
FORM



Encrypted Polymer E1: X=Y= Methoxy
 Encrypted Polymer E2: X= Fluorescein, Y= Lactose
 Encrypted Polymer E3: X= Hexalysine, Y= Lactose

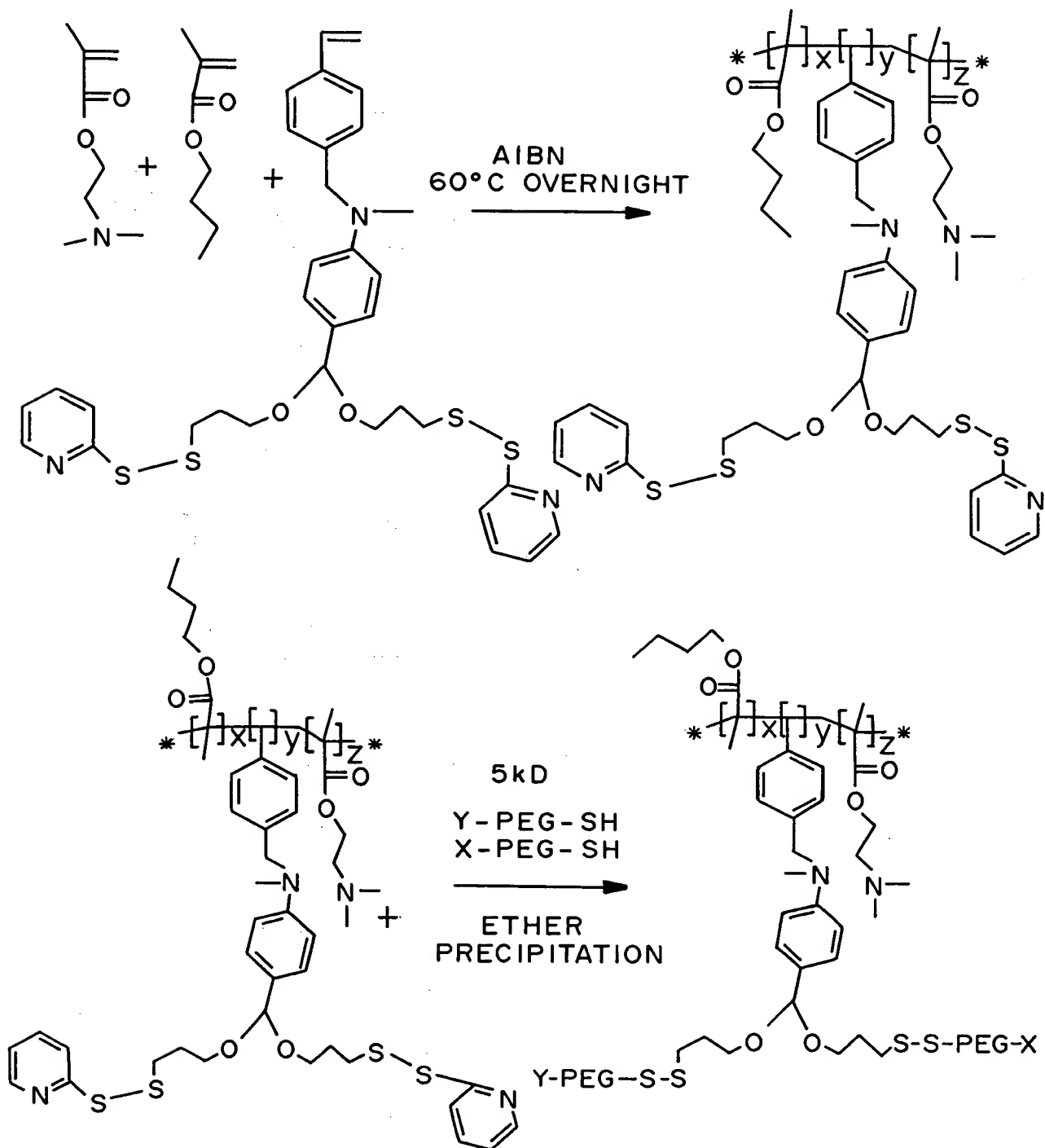
FIG. 4

FIG. 5A



APPROVED	O.G. FIG.
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FIG. 5B



ENCRYPTED POLYMER E1 : X=Y = METHOXY

ENCRYPTED POLYMER E2 : X=FLUORESCCEIN, Y=LACTOSE

ENCRYPTED POLYMER E3 : X=HEXALYSINE, Y=LACTOSE

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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Enhanced Transport Using Membrane Disruptive Agents"
 Allan S. Hoffman, Patrick S. Stayton, and Niren Murti
 U.S.S.N. 09/755,701
 Filed: January 5, 2001
 Art Unit: 1635
 Atty. Docket No.: UWS 105

